J. H. GEARY.

ATTACHABLE BAIL EAR DEVICE.

APPLICATION FILED JUNE 10, 1912.

1,281,340. Patented Oct. 15, 1918.

Fig. 1

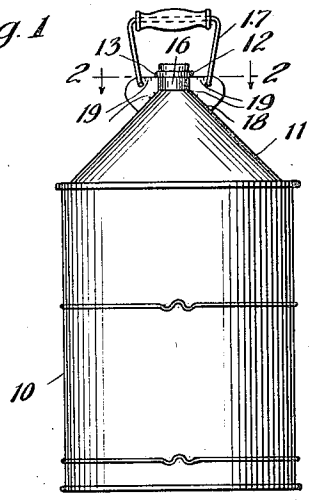


Fig. 2

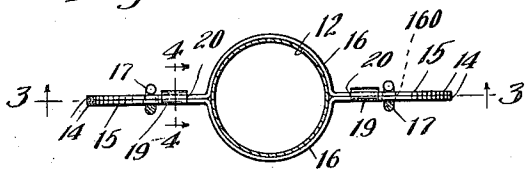


Fig. 3

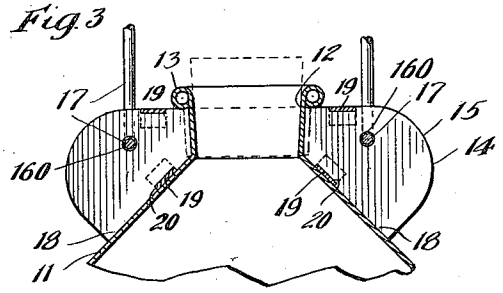


Fig. 4

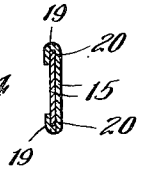


Fig. 5

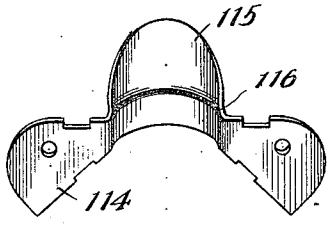


Fig 7

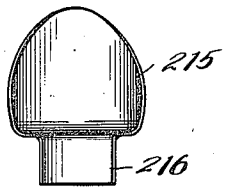
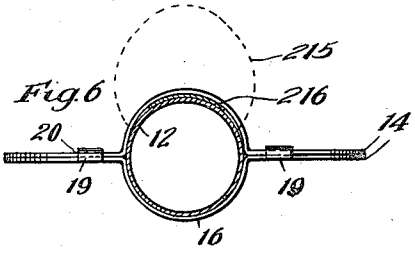


Fig. 6



Witnesses:

Wm. Geiger

A. W. Munday

Inventor

James H. Geary

By Munday, Evarts, Adcock & Clarke

Attys.

UNITED STATES PATENT OFFICE.

JAMES H. GEARY, OF MAYWOOD, ILLINOIS, ASSIGNOR TO AMERICAN CAN COMPANY, OF NEW YORK, N. Y., A CORPORATION OF NEW JERSEY.

ATTACHABLE-BAIL-EAR DEVICE.

1,281,340. Specification of Letters Patent. Patented Oct. 15, 1918.

Application filed June 10, 1912. Serial No. 702,683.

To all whom it may concern:

Be it known that I, JAMES H. GEARY, a citizen of the United States, residing in Maywood, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Attachable-Bail-Ear Devices, of which the following is a specification.

This invention relates to improvements in attachable bail ears which are adapted to be applied to cans such as are used for transporting oils, paints or other liquids, and particularly to that type of cans known as the jacketed can, which is usually provided with a tapered or conical top having a nozzle at the upper central portion thereof. These attachable bail ears are to be used on cans of the class indicated, which have not been previously supplied with bails, to facilitate the handling of the same, or which have had the originally applied bail removed accidentally during transit.

In the accompanying drawing forming a part of this specification, Figure 1 is a side elevation of a can showing my improvements in connection therewith. Fig. 2 is a horizontal, sectional view, upon an enlarged scale, taken on the line 2—2 of Fig. 1. Fig. 3 is a vertical, sectional view, taken on the line 3—3 of Fig. 2. Fig. 4 is an enlarged, detail, sectional view, taken on the line 4—4 of Fig. 2. Fig. 5 is a detail perspective view of a part of an attachable bail ear showing a pouring spout formed integrally therewith. Figs. 6 and 7 are sectional and elevational views respectively of another form of pouring spout used in connection with the attachable bail ear.

In the drawing, 10 denotes a can, which may be of any suitable form adapted to carry liquids, and which as shown, is provided with a conical top 11, the same having a cylindrical pouring spout 12 at the upper portion thereof, and as is usual in the construction of this type of cans, the pouring spout is provided with a false wire or bead 13 at its upper edge. 14 denotes my improved attachable, double bail ear, the same as shown being comprised of two pieces of sheet metal, each having flat end or wing portions 15, 15 and a semi-cylindrical curved central portion 16, these semi-cylindrical portions being adapted to fit around the cylindrical nozzle 12 of the can. Each flat or wing portion 15 is provided with a perforation 160, adapted to receive the hook ends of a bail or handle 17, and each of these portions is furthermore provided with a beveled lower edge 18 adapted to closely fit the conical top 11 of the can. As shown in the drawing, the means for securing the two pieces of the double bail ear 14 together preferably comprises a plurality of bendable tongues 19 formed integrally with one of the members of the bail ear, these tongues being adapted to fit in corresponding notches 20 in the other member of the bail ear. As will be obvious to those skilled in the art, other structures may be employed which come within the scope of my invention for securing the bail ear in place, the essential feature being that one end of the bail ear shall be split or separable, thereby adapting it to be slipped over the nozzle of the can.

In many instances it has been found desirable to provide a pouring spout on the can, and for this purpose I sometimes make the attachable bail ear device with a pouring spout 115 formed integrally with one of the members 114 of the part which slips over the nozzle 12 of the can. As clearly shown in Fig. 5, this pouring spout 115 is offset from the main part 114 by a curved portion 116 adapted to clear the bead or false wiring 13 on the top edge of the nozzle of the can. In other instances the pouring spout may be made detachable or separate from the attachable bail ear device, in which case the spout is provided with a spoon-like portion 215 offset from a curved portion 216, the latter being adapted to fit against the nozzle 12 and be clamped thereon by either of the curved portions 16 of the attachable bail ear device. Such offsetting of the portion 215 produces a shoulder formed between the two portions, which shoulder is adapted to engage under the lip of the can nozzle when the spout attachment is assembled with the can and bail ear.

In practice, these attachable bail ears are manufactured, with the two sections or portions secured together at one end and split or open at the opposite end and are made of such a size that the portions 15, fitting the pouring spout of the can, snugly fit between the bead on the upper edge of the spout and the upper edge of the can top proper, and after the device has been

slipped over the nozzle, the tongues 19 on the one member are bent around and over the other member.

Many changes and variations may be made in the details of the device without departing from the spirit of the invention, and such changes and variations are contemplated as fall within the scope of the claims appended hereto.

I claim:—

1. An attachable double bail ear, comprising sheet metal members bent at their middle portions to fit around a can nozzle and having their ends united, the means for uniting said members at one end consisting of bendable tongues integral with one member and bent around the upper and lower edges of the other member, and the ends of the said members being arranged in vertical radial planes and coincidently and horizontally perforated to receive the hooks of the bail, combined with said bail having its hooks passed through the said perforations so as to unite the parts of the ear.

2. An attachable double bail ear, comprising sheet metal members bent at their middle portions to fit around a can nozzle, and having their ends applied together in vertical planes radial from the nozzle, said ends being coincidently perforated, combined with a bail having hooks which pass through the said perforations and are pivotally connected with the ear, said hooks holding the ends of the members together.

3. An attachable double bail ear, consisting of sheet metal members bent at their middle portions to fit around a can nozzle which is provided with a lip, having their ends applied together in vertical radial planes, and perforated to receive the hooks of a bail, means for securing said ends together to clamp said middle portions on the nozzle and a spout having a shoulder which is engageable under the lip of the can nozzle.

4. An attachable double bail ear comprising two separate sheet metal members bent at their middle portions to fit around a can nozzle and having their ends united and adapted to have a bail connected therewith, the said ends lying in vertical planes, and having their upper edges shaped to fit under the lip of the can nozzle and having their lower edges inclined downward and outward to fit the top surface of the can on diametrically opposite sides of the same at the lower end of the nozzle, whereby the bail ear, after its ends have been united, may be fixedly held and evenly braced between the lip of the nozzle and the top surface of the can.

5. An attachable bail ear device, comprising two pieces of metal, each provided with a semi-cylindrical curved portion at its center, and having flat portions on opposite sides thereof, each of the flat portions being provided with perforations adapted to receive a bail, one of said pieces being provided with a plurality of integrally formed, bendable tongues, and the other of said pieces being provided with a plurality of notches adapted to receive said tongues, the lower edges of the flat portions of the device being adapted to fit the top of a can.

6. An attachable double bail ear, consisting of sheet metal members bent at their middle portions to fit around a can nozzle which is provided with a lip, having their ends applied together in vertical radial planes, and perforated to receive the hooks of a bail, means for securing said ends together to clamp said middle portions on the nozzle, and a spout having a curved portion 216 which is clamped between one of said middle portions and the nozzle, and a shoulder between the said curved portion and the spout portion which shoulder is engageable under the lip of the can nozzle to hold the spout in place.

JAMES H. GEARY.

Witnesses:
PEARL ABRAMS,
H. M. MUNDAY.